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(54) METHOD FOR REGENERATING DENATURED PROTEIN AND REGENERATING AGENT FOR DENATURED PROTEIN

(57)Abstract:

PURPOSE: To rapidly and simply regenerate a denatured protein such as an inert protein by reacting the denatured protein with a specific protein and carrying out the unwinding of the denatured protein.

CONSTITUTION: This method for regenerating a denatured protein such as an inert protein accumulated in a transformant microorganism is to react the denatured protein with any of (A) a chaperonine 60 monomer, (C) a fragment, starting from threonine at the 79th position from the N-terminal of the chaperonine 60 monomer and having about 50kD molecular weight, (C) the chaperonine 60 monomer and a chaperonine 10 and (D) a protein of a homochaperonine and carry out the unwinding of the denatured protein. Furthermore, the proteins (A), (B), (C) and (D) used in regenerating the denatured protein are preferably proteins purified from *Thermophilus thermophilus*.